

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 62062846  
PUBLICATION DATE : 19-03-87

APPLICATION DATE : 13-09-85  
APPLICATION NUMBER : 60202913

APPLICANT : MITSUBISHI PLASTICS IND LTD;

INVENTOR : MOMO KAZUO;

INT.CL. : C08L 23/10 B29C 61/08 C08L 57/02 //(C08L 23/10 , C08L 57:02 )

TITLE : POLYPROPYLENE FILM FOR SHRINKABLE LABEL

ABSTRACT : PURPOSE: A polypropylene film suitable for shrinkable labels, having a specific thermal shrinkage ratio and a specific birefringence of inner face of film, shrink able greatly in one direction, having balanced physical properties, comprising a propylene resin.

CONSTITUTION: A film comprising polypropylene resin consisting of (A) 95~40wt% polypropylene polymer and (B) 5~60wt% petroleum resin and/or terpene resin, having 7~15cal/g crystallization amount of heat is biaxially oriented, to give a film having  $\geq 40\%$  heat shrinkage ratio in one direction and  $\leq 15\%$  heat shrinkage ratio in a direction rectangular to it when immersed in 100°C hot water for 5min and  $\leq 0.01$  birefringence in a film face.

COPYRIGHT: (C)1987,JPO&Japio